

Steven F. Alder, (Bar No. 0033)  
Fredric Donaldson, (Bar No. 12076)  
Assistant Attorney General  
Counsel for Division of Oil, Gas and Mining  
1594 West North Temple, Suite 300  
Salt Lake City, Utah 84116  
Telephone: (801) 538-5348

**FILED**

**MAY 20 2010**

**SECRETARY, BOARD OF  
OIL, GAS & MINING**

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**BEFORE THE BOARD OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH**

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UTAH CHAPTER OF THE SIERRA CLUB,  
SOUTHERN UTAH WILDERNESS  
ALLIANCE, NATURAL RESOURCES  
DEFENSE COUNCIL, and NATIONAL  
PARKS CONSERVATION ASSOCIATION,

Petitioners,

DIVISION OF OIL, GAS AND MINING,

Respondent,

ALTON COAL DEVELOPMENT, LLC

Intervenors,

DIVISION'S EXHIBITS FOR THE  
MAY 2010 HEARING

Docket No. 2009-019  
Cause No. C/025/0005

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The Division of Oil, Gas, and Mining (Division), by and through counsel hereby submits  
the following list of Exhibits for the May hearings:

1. Final Technical Analysis, October 15, 2009 (**Exhibit D8**)
2. Technical Memorandum, October 15, 2009 (**Exhibit P2**)
3. Water Monitoring Data (**Exhibit D2**)
4. Chapter 6 Geology, Permit Application and referenced Maps and Drawings including,  
but not limited to, the following excerpts (**Division**)
  - a. Appendix 6-3
  - b. Appendix 6-4

5. Chapter 7 Hydrology, Permit Application and referenced Maps and Drawings including, but not limited to, the following excerpts **(ACD)**
  - a. Environmental Description
  - b. Probable Hydrologic Consequences section
  - c. Hydrologic Monitoring Plan and referenced maps
  - d. Drawing 7-1 (ACD)
  - e. Drawing 7-2 (ACD)
  - f. Drawing 7-7 (ACD)
  - g. Drawing 7-10 (ACD)
  - h. Table 7-1 baseline monitoring stations
  - i. Table 7-2 monitoring wells
  - j. Table 7-6A Surface water operational and reclamation phase water quality monitoring
  - k. Table 7-6B Surface water baseline water quality monitoring
  - l. Table 7-7A Groundwater operational and reclamation phase water quality monitoring
  - m. Table 7-7B Groundwater baseline water quality monitoring
6. Cumulative Hydrologic Impact Assessment October 15, 2009 with Referenced portions of the Coal Hollow Permit Application including Chapter 2 Soils, Chapter 6 Geology, Chapter 7 Hydrology **(Exhibit D23)**
7. Price, D, 1980, Chemical Quality of Surface Water in the Alton-Kolob Coal Fields Area, Utah. USGS Miscellaneous Investigation Series Map I- 1235-A. **(Division)**
8. Utah Admin. Code Rule R317-2 Standards for Waters of the State **(Division)**
9. UPDES Permit No. UTG 040027 **(Division)**
10. Draft Guidelines for Preparation of a Cumulative Hydrologic Impact Assessment (CHIA) 1985 **(Petitioner's Exhibit 19 from April hearing)**
11. SGS Labs revised lab data sheet for the Mar 22, 2008 measurement at station SW-6. **(Division)**
12. Tech Directive 004, Water Monitoring Guidelines for Coal Mines, effective June 27, 2008 **(Division)**
13. Charles H. Norris, Geo-Hydro Inc., Resume provided at deposition. **(Division)**
14. Charles Norris, List of cases representing citizen groups provided at deposition. **(Division)**
15. Exhibit 9 James Smith Deposition Geologic map of the Alton Quadrangle Kane County, T.L. Tilton. **(Division)**

16. Alluvial Valley Floor, Application and Supplemental reports (**ACD**)
17. Emails re: AVF Consultation (**Division**)
- a. Email to Priscilla Burton from John Powell, BLM, May 1, 2008
  - b. Email from Priscilla Burton to Hpraanger.@osmre.gov, July 29, 2008
  - c. Email from Harold Pranger to Pam Grubaugh, DOGM, Dec. 31, 2007
  - d. Email from Harold Prager to Pam Grubaugh and others, Dec. 11, 2007
  - e. Emails from Paul Clark to Pam Grubaugh, Aug. 8, 2007
  - f. Emails from Duane Matt to Pam Grubaugh, Aug. 6, 2007
  - g. Emails between Priscilla Burton and Dana Dean re: OSM review, Aug. 8, 2009
  - h. Emails from Dana Dean to Priscilla Burton and copied emails to AVF team, Aug. 5, 2008
18. OSM Alluvial Valley Floor Study guidelines, and Appendix D (**ACD/Division**)
19. Map: Price Surface Water, 1980 (**Division**)
20. Map: Price Ground Water, 1981 (**Division**)
21. Map: Camp, Dresser, McKee, 1987 (**Division**)
22. Resume of Elliott Lips (**Division**)
23. Appendix 4.5-B Geomorphology and Sedimentology of Sink Valley, Kane County, Utah; Report to Utah International, Inc. Alton Coal Project by Michael D. Harvey and Stanley A. Schumm, Water Engineering and Technology Inc. 419 Canyon, Suite 225, Fort Collins, Colorado 80521, July 1987 (**Division**)
24. Alton Coal Project, Mine Permit Application, July 1987, Volume 10 (**Division**)

Respectfully submitted this 20 day of May, 2010



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Steven F. Alder, (Bar No #0033)  
Fredric J. Donaldson, (Bar No #12076)  
Assistant Attorney General  
Counsel for Division of Oil, Gas and Mining